Craft ROBO

CC200-20

MANUAL NO. CC200-UM-251

SERVICE MANUAL

GRAPHTEC

CC200-UM-251-02-9370

HISTORY OF REVISIONS

No.	Date issued	Description of revision	Page	Edition
1	06.08.31	First printing	All	01
2	07.03.01	Procedure for the pne force adjustment was changed.	4-2 to 4-5	02
3	07.03.01	Recommended parts list was deleted. (Section 2)	All	02

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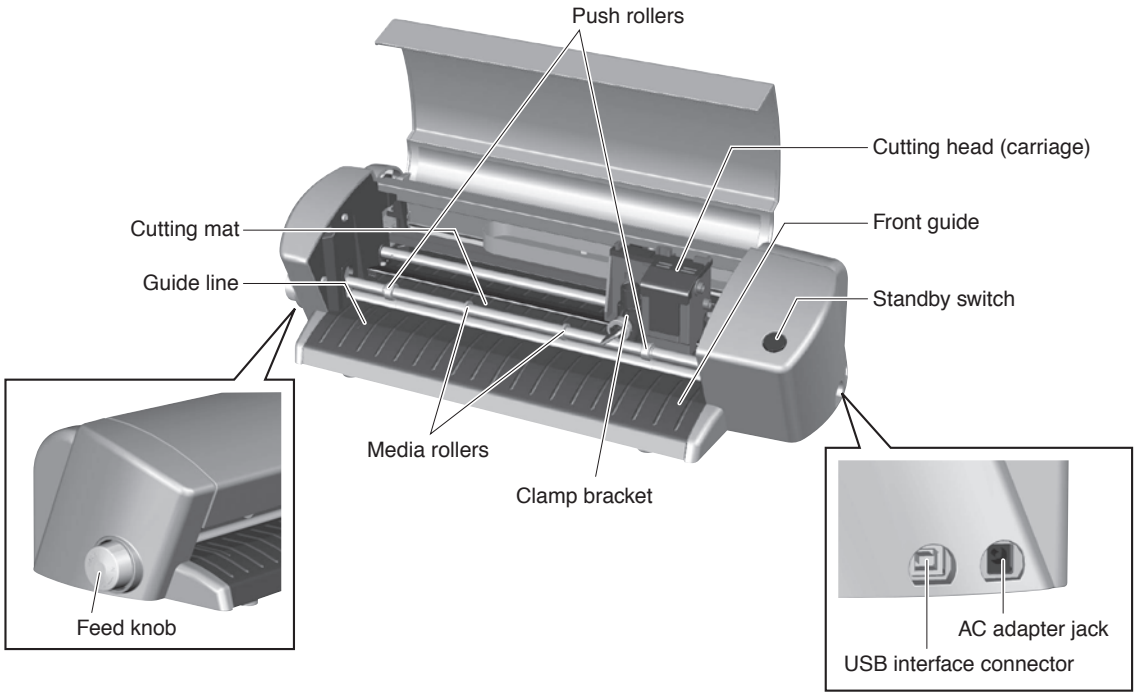
1 PARTS NAMES and FUNCTIONS

Craft ROBO (CC200-20)



Cutting head ..... Drives the blade holder/pen holder to the left or right

Clamp bracket ..... Holds the blade holder/pen holder and drives it up or down

Standby switch ..... Turns the power supply to the Craft ROBO on and off. When the power supply is on, the switch's lamp lights blue.

Feed knob ..... Used to manually feed the media back and forth

USB interface connector ..... Used for connecting the USB cable

AC adapter jack ..... Used for connecting the AC adapter cable

Cutting mat ..... Cutting or plotting is performed on this surface

Push rollers ..... Hold the media in place against the media rollers

Media rollers ..... Move the media back and forth

Front guide ..... Used as the work surface

Guide line ..... Used as a guide when media is loaded

2 LIST OF TOOLS

No.	Adjustment Item	Jigs	Tools
1	Pen force adjustment	Blade and blade holder, Electrical adjustment program	Colex gauge (150 g, 300 g, 500 g), PC, USB I/F cable
2	Distance adjustment	Blade and blade holder, Electrical adjustment program	Glass scale 300 mm, PC, USB I/F cable
3	Auto Registration adjustment	Blade and blade holder, Electrical adjustment program	PC, USB I/F cable

Electrical adjustment program

A4SetEnglish.exe :Use for the setup of A4-size models

LetterSetEnglish.exe :Use for the setup of letter-size models

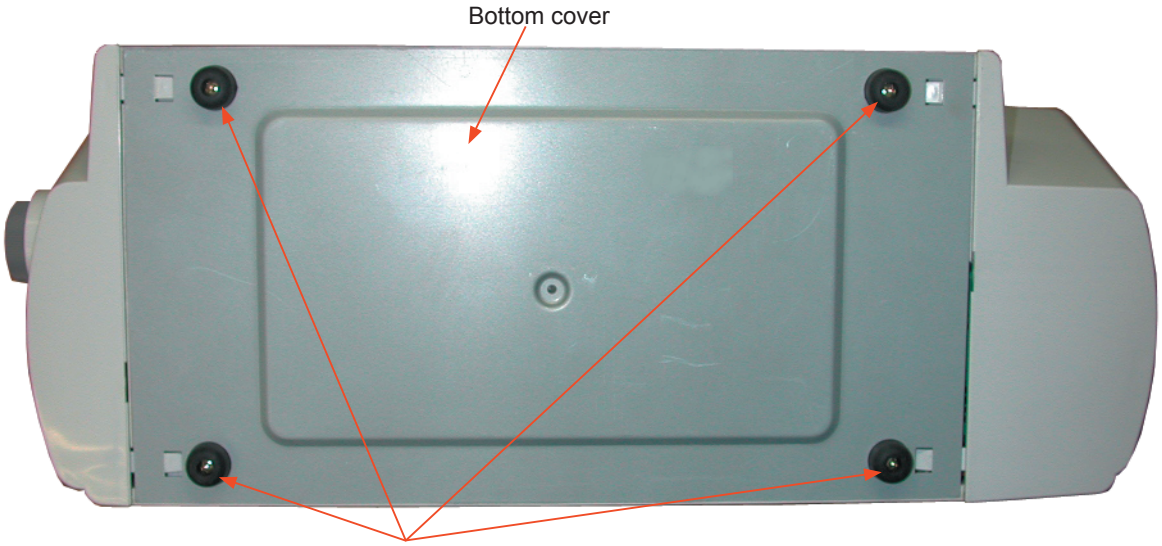
GITKUSBP.dll :USB driver for the setup programs

3 DISASSEMBLY AND REASSEMBLY

3.1 How to Replace the Bottom Cover

Disassembly

(1) Remove the four M3L8 self-tapping screws holding the bottom cover and the rubber feet.



(2) Detach the bottom cover and the rubber feet.

Reassembly

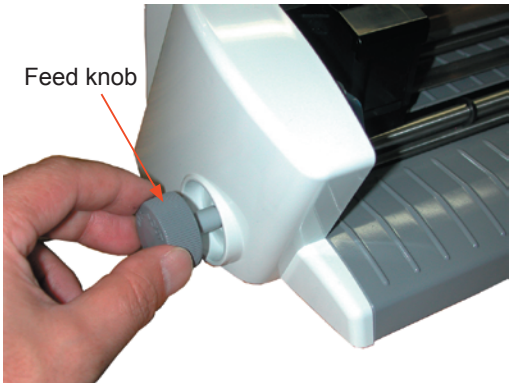
(1) To attach the bottom cover, perform the above “Disassembly” procedure in reverse.

3.2 How to Replace the Left Side Cover

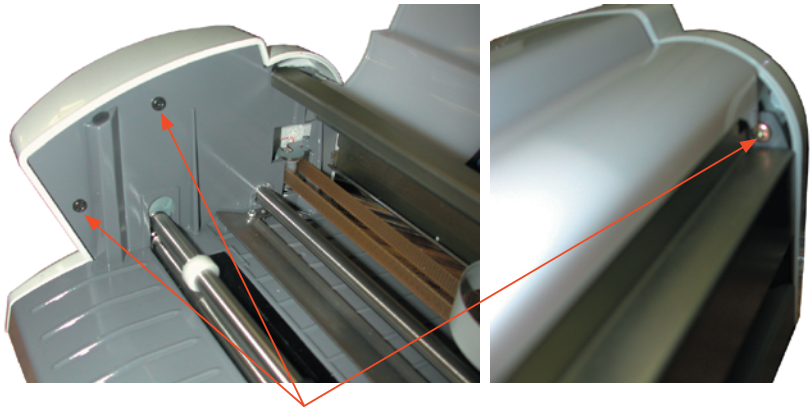
Disassembly

(1) Detach the bottom cover (see Section 3.1).

(2) Pull out the feed knob from the left side of the unit, and then detach the feed knob.



(3) Remove the three M3L8 self-tapping screws holding the left side cover.



(4) Detach the left side cover.

Reassembly

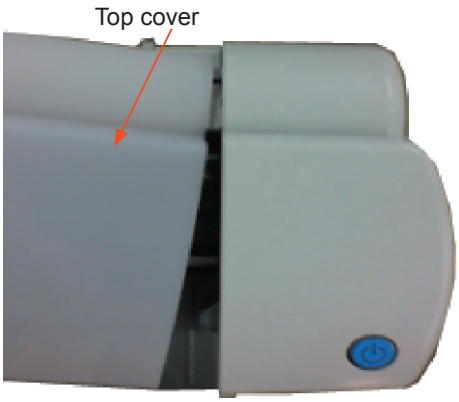
(1) To attach the left side cover, perform the above “Disassembly” procedure in reverse.

3.3 How to Replace the Top Cover

Disassembly

(1) Detach the left side cover (see Section 3.2).

(2) Pull out the top cover from the right side cover to detach the top cover.



Reassembly

(1) To attach the top cover, perform the above “Disassembly” procedure in reverse.

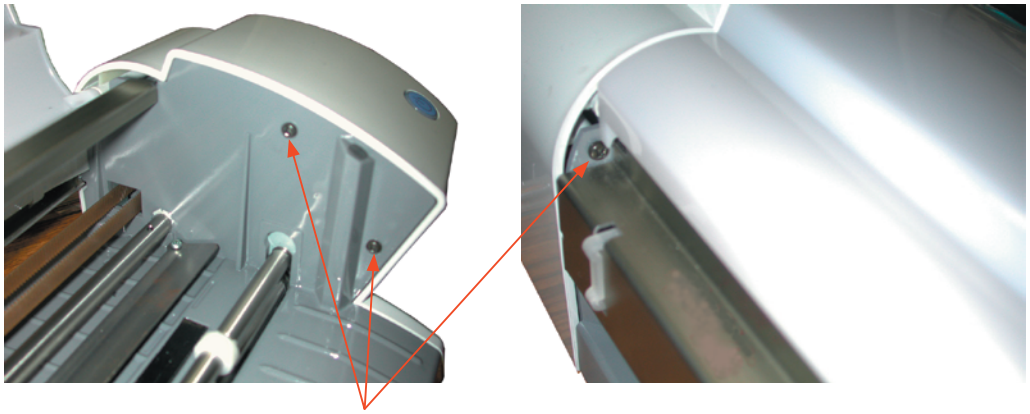
3.4 How to Replace the Right Side Cover

Disassembly

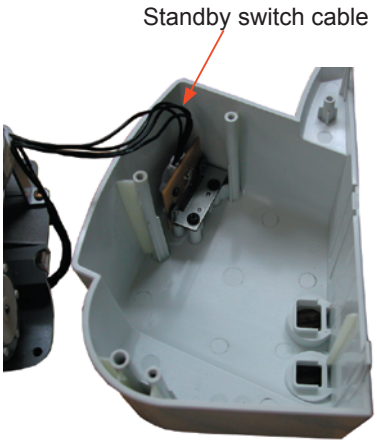
(1) Detach the bottom cover (see Section 3.1).

(2) Remove the three M3L8 self-tapping screws holding the right side cover.

Note: Hold the right side cover after you have removed the screws; there is a cable inside the cover.



(3) Disconnect the standby switch cable which is connected to the standby switch board, and then detach the right side cover.



Reassembly

(1) To attach the right side cover, perform the above “Disassembly” procedure in reverse.

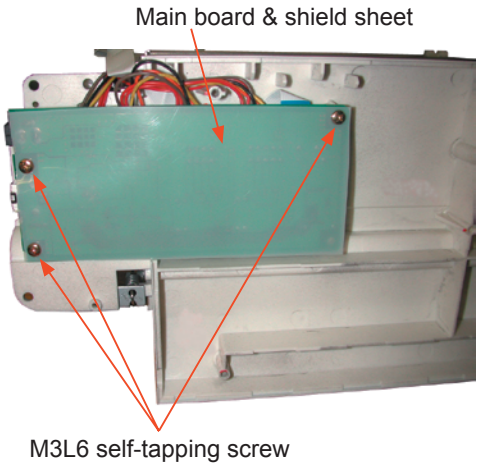
3.5 How to Replace the Main Board

Disassembly

(1) Detach the bottom cover (see Section 3.1).

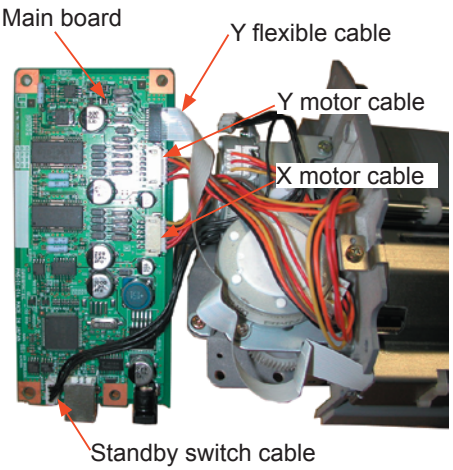
(2) Detach the right side cover (see Section 3.4).

(3) Remove the three M3L6 self-tapping screws holding the main board and the shield sheet.



(4) Detach the main board and the shield sheet from the main chassis.

(5) Disconnect all the cables from the main board.



Reassembly

(1) To attach the main board, perform the above “Disassembly” procedure in reverse.

(2) Do not misconnect the cables when connecting the X and Y motor cables to the main board.

(3) Perform the electrical adjustments described in Chapter 5 after you have replaced the main board.

3.6 How to Replace the Y Guide Rail

Disassembly

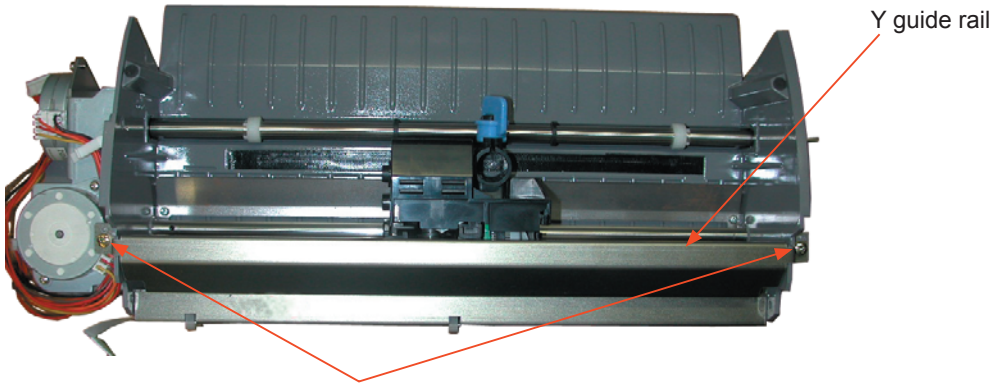
(1) Detach the bottom cover (see Section 3.1).

(2) Detach the left side cover (see Section 3.2).

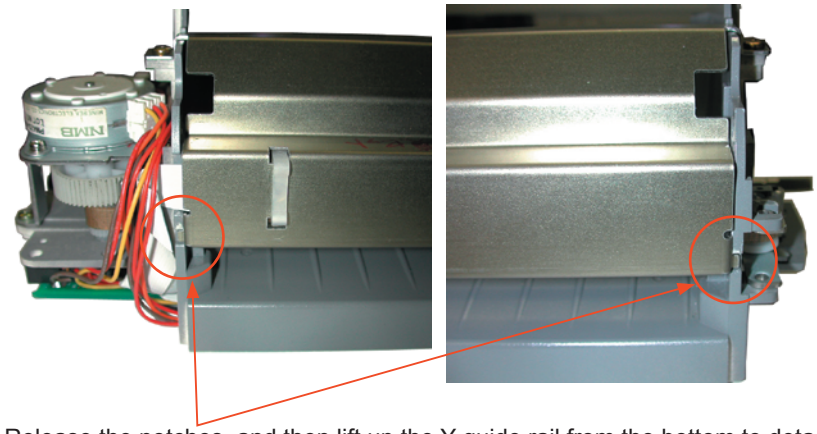
(3) Detach the top cover (see Section 3.3).

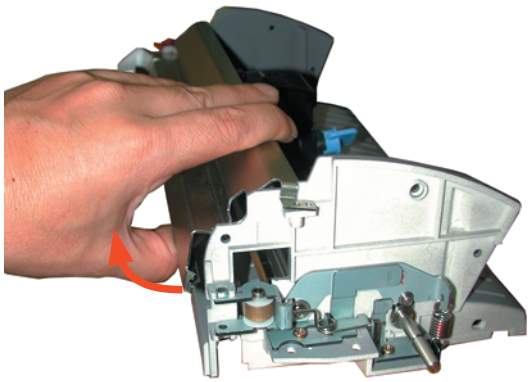
(4) Detach the right side cover (see Section 3.4).

(5) Remove the two M3L6 self-tapping screws holding the Y guide rail.

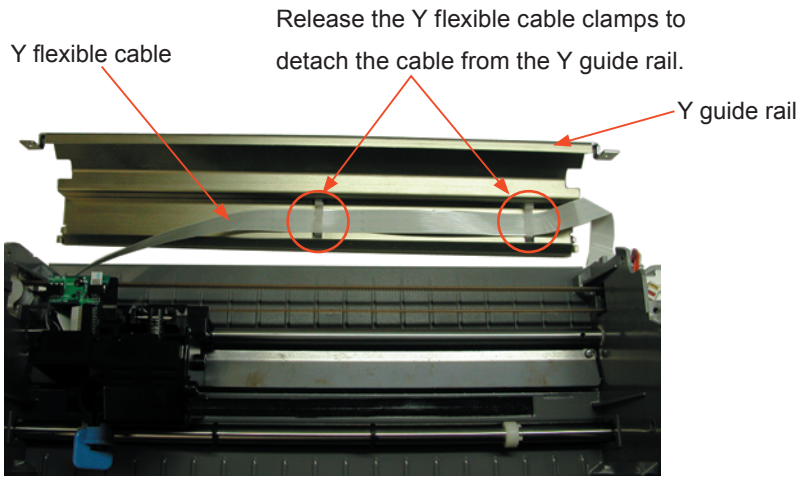


(6) Detach the Y guide rail as shown in the picture below.





(7) Release the Y flexible cable clamps to detach the cable from the Y guide rail.



Reassembly

(1) To attach the Y guide rail, perform the above “Disassembly” procedure in reverse.

3.7 How to Replace the Pressure Shaft Assembly

Disassembly

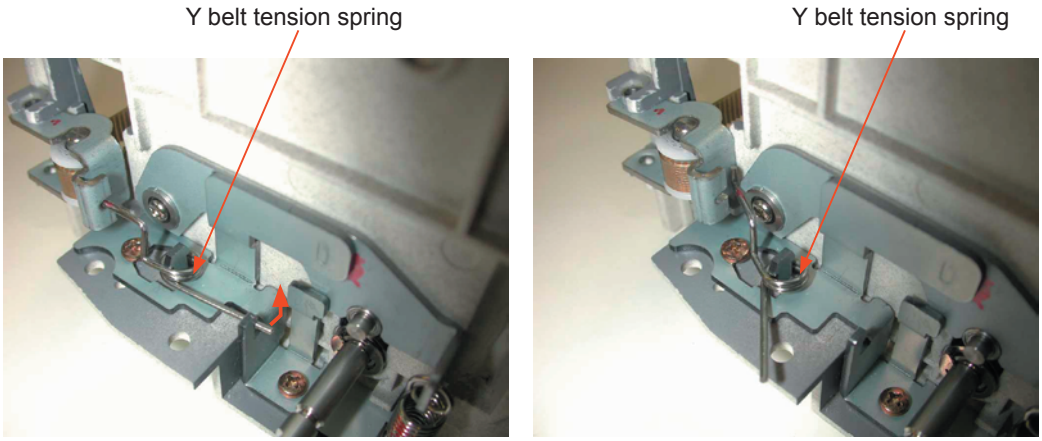
(1) Detach the bottom cover (see Section 3.1).

(2) Detach the left side cover (see Section 3.2).

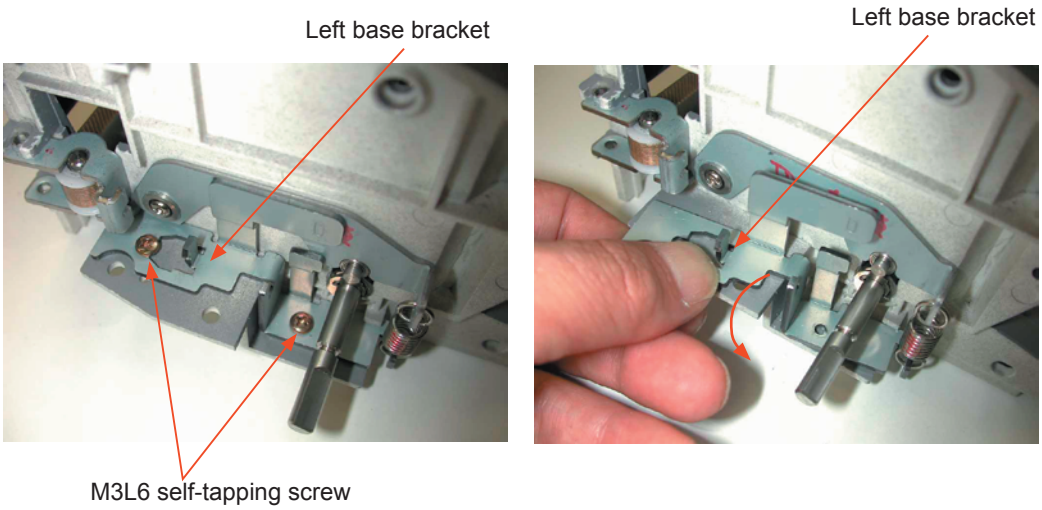
(3) Detach the top cover (see Section 3.3).

(4) Detach the right side cover (see Section 3.4).

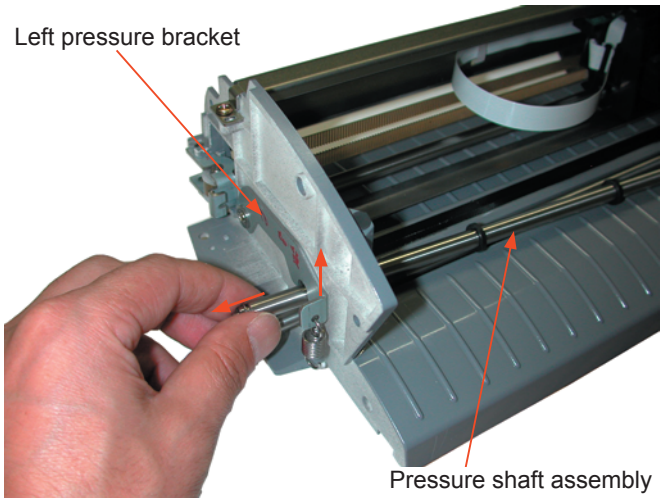
(5) Detach the Y belt tension spring from the left base bracket.



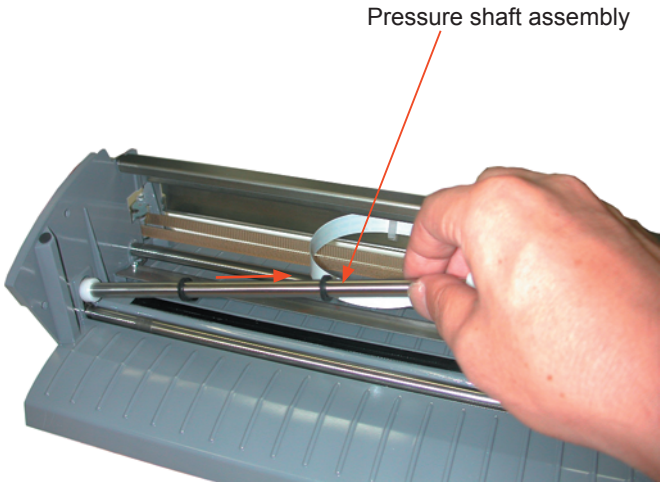
(6) Remove the two M3L6 self-tapping screws holding the left base bracket, and then detach the left base bracket.



(7) Lift up the left side of the pressure bracket, and then slide the pressure shaft assembly to the left side.



(6) Detach the pressure shaft assembly as shown in the picture below.



Reassembly

(1) To attach the pressure shaft assembly, perform the above “Disassembly” procedure in reverse.

3.8 How to Replace the Feed Roller

Disassembly

(1) Detach the bottom cover (see Section 3.1).

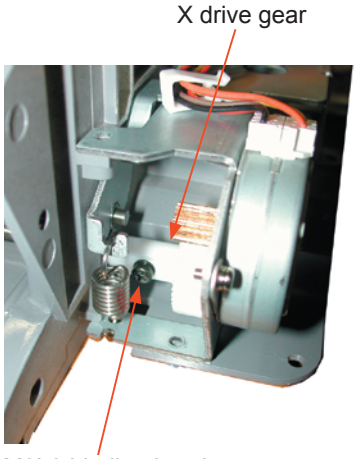
(2) Detach the left side cover (see Section 3.2).

(3) Detach the top cover (see Section 3.3).

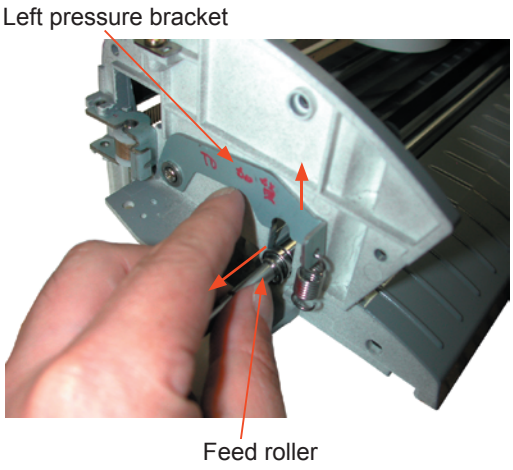
(4) Detach the right side cover (see Section 3.4).

(5) Detach the pressure shaft assembly (see Section 3.7).

(6) Remove the M3L8 binding head screw holding the X drive gear to the feed roller.



(7) Lift up the left side of the pressure bracket, and then pull out the feed roller to the left side.



(8) Detach the E-ring from the feed roller.

(9) Detach the bearing and the collar from the feed roller.

Reassembly

(1) To attach the feed roller, perform the above “Disassembly” procedure in reverse.

3.9 How to Replace the Y Motor

Disassembly

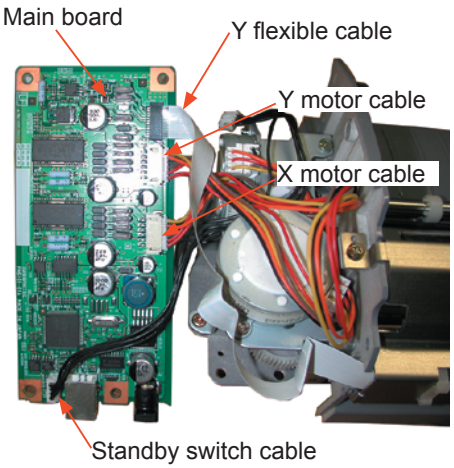
(1) Detach the bottom cover (see Section 3.1).

(2) Detach the right side cover (see Section 3.4).

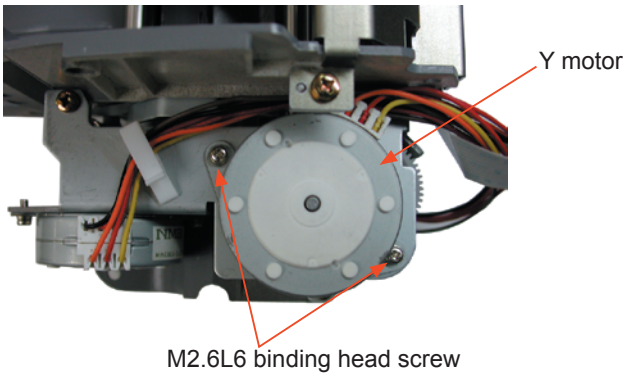
(3) Detach the top cover (see Section 3.3).

(4) Detach the main board (see Section 3.5).

(5) Disconnect the Y motor cable which is connected to the main board.



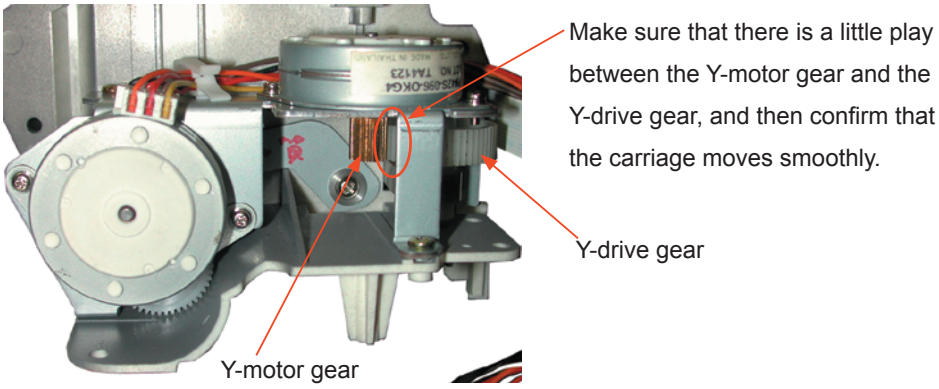
(6) Remove the two M2.6L6 binding head screws holding the Y motor, and then detach the Y motor.



Reassembly

(1) To attach the Y motor, perform the above “Disassembly” procedure in reverse.

(2) Make sure that there is a little play between the Y-motor gear and Y-drive gear when installing the Y motor.


Make sure that there is a little play between the Y-motor gear and the Y-drive gear, and then confirm that the carriage moves smoothly.
Y-drive gear
Y-motor gear

3.10 How to Replace the X Motor

Disassembly

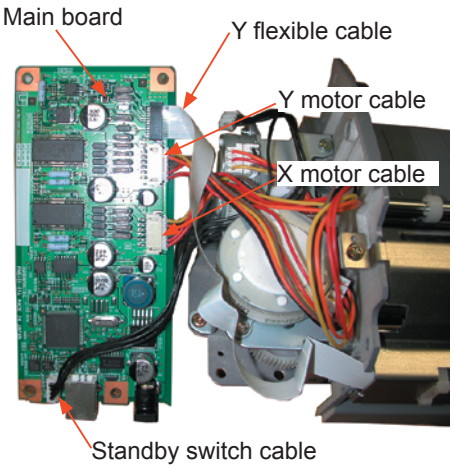
(1) Detach the bottom cover (see Section 3.1).

(2) Detach the right side cover (see Section 3.4).

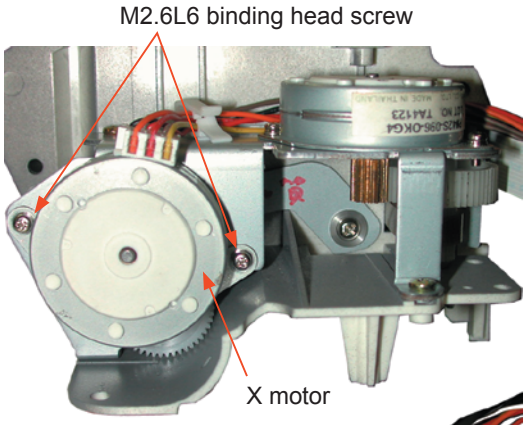
(3) Detach the top cover (see Section 3.3).

(4) Detach the main board (see Section 3.5).

(5) Disconnect the X motor cable which is connected to the main board.



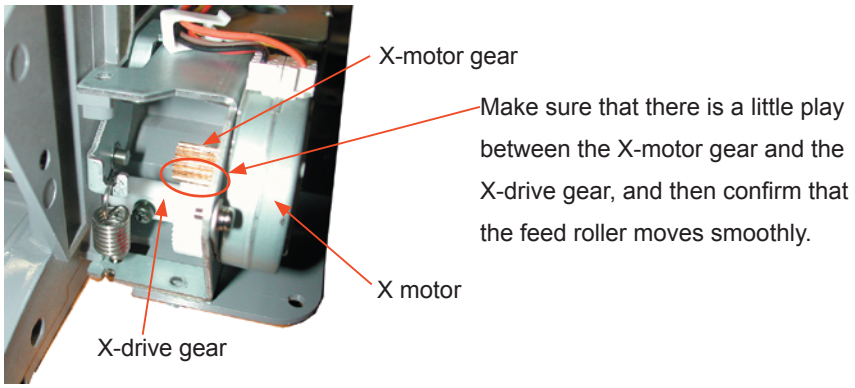
(6) Remove the two M2.6L6 binding head screws holding the X motor, and then detach the X motor.



Reassembly

(1) To attach the X motor, perform the above “Disassembly” procedure in reverse.

(2) Make sure that there is a little play between the X-motor gear and X-drive gear when installing the X motor.


X-motor gear
Make sure that there is a little play between the X-motor gear and the X-drive gear, and then confirm that the feed roller moves smoothly.
X motor
X-drive gear

3.12 How to Replace the Y Belt

Disassembly

(1) Detach the bottom cover (see Section 3.1).

(2) Detach the left side cover (see Section 3.2).

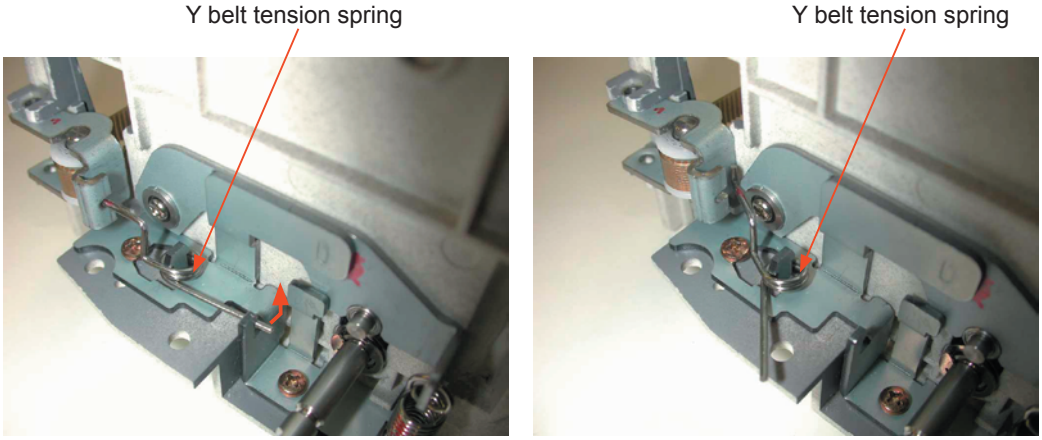
(3) Detach the top cover (see Section 3.3).

(4) Detach the right side cover (see Section 3.4).

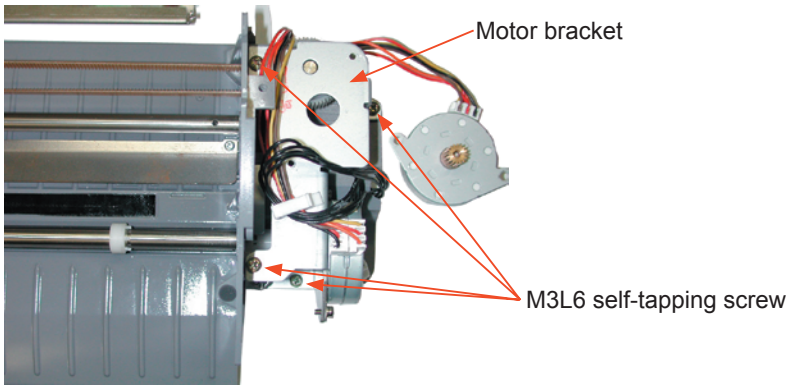
(5) Detach the Y guide rail (see Section 3.6).

(6) Detach the Y motor (see Section 3.9).

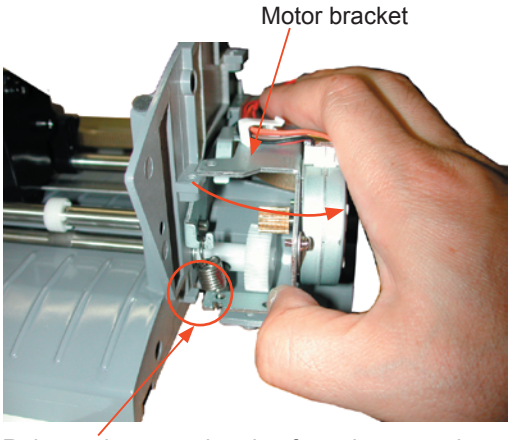
(7) Detach the Y belt tension spring from the left base bracket.



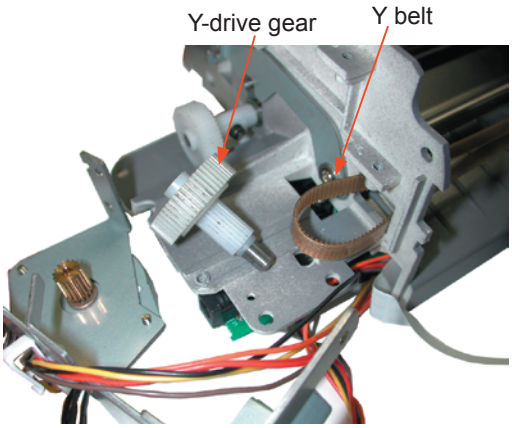
(8) Remove the four M3L6 self-tapping screws holding the motor bracket.



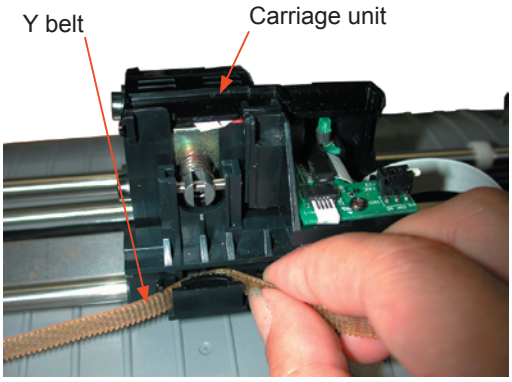
(9) Detach the motor bracket as shown in the picture below.



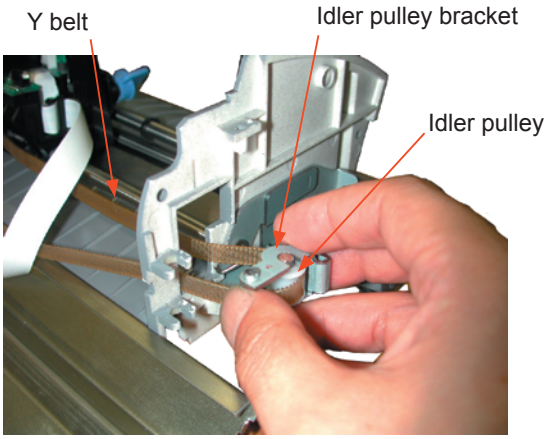
(10) Detach the Y-drive gear from the chassis.



(11) Detach the Y belt from the carriage.



(12) Remove the Y belt from the left side, and then detach the Y idler pulley and pulley bracket.



Reassembly

(1) To attach the Y belt, perform the above “Disassembly” procedure in reverse.

3.13 How to Replace the Y Flexible Cable

Disassembly

(1) Detach the bottom cover (see Section 3.1).

(2) Detach the left side cover (see Section 3.2).

(3) Detach the top cover (see Section 3.3).

(4) Detach the right side cover (see Section 3.4).

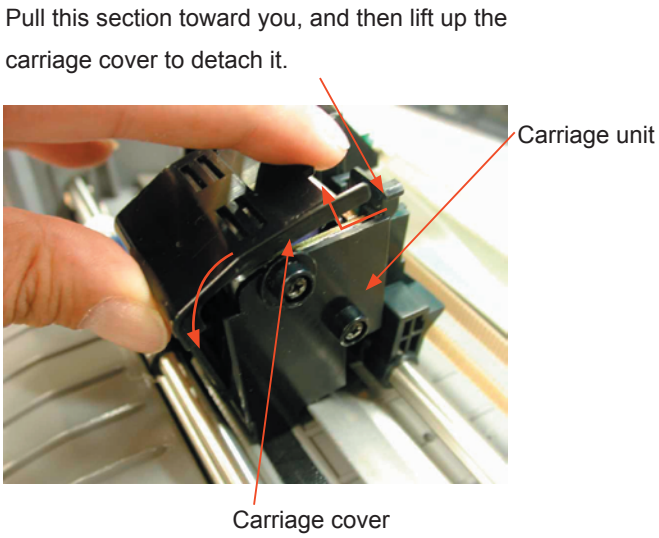
(5) Detach the main board (see Section 3.5).

(6) Detach the Y guide rail (see Section 3.6).

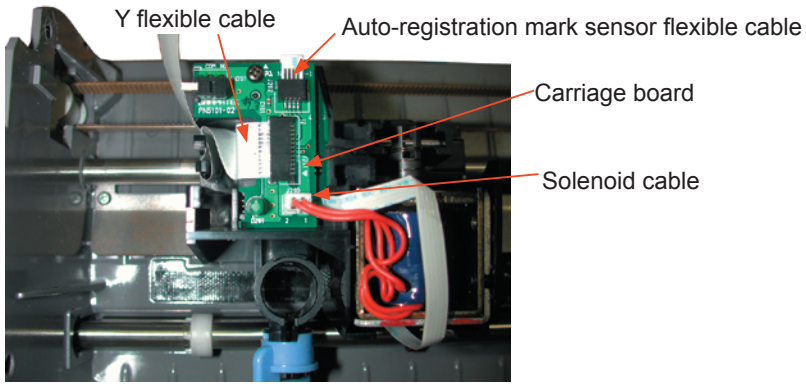
(7) Detach the Y flexible cable from the guide rail (see Section 3.6).

(8) Detach the carriage cover from the carriage.

(9) Lift up the top section of the carriage cover, and then detach the carriage cover from the carriage.



(10) Disconnect the Y flexible cable from the carriage board.



(11) Disconnect the Y flexible cable from the main board, and then detach the Y flexible cable.

Reassembly

(1) To attach the Y flexible cable, perform the above “Disassembly” procedure in reverse.

3.14 How to Replace the Solenoid

Disassembly

(1) Detach the bottom cover (see Section 3.1).

(2) Detach the left side cover (see Section 3.2).

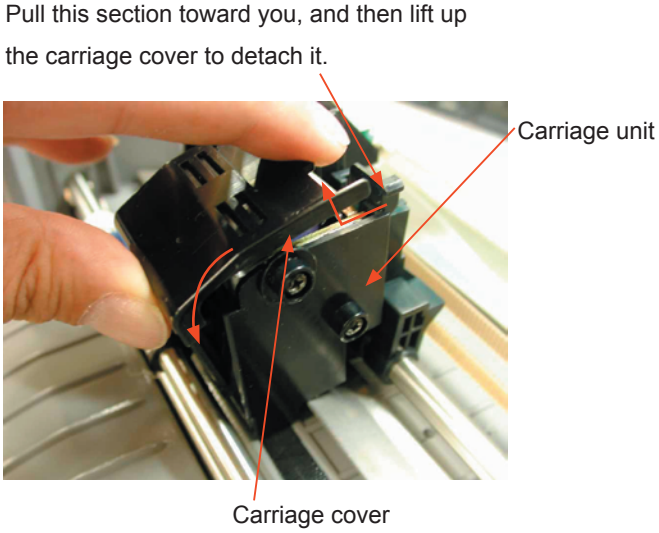
(3) Detach the top cover (see Section 3.3).

(4) Detach the right side cover (see Section 3.4).

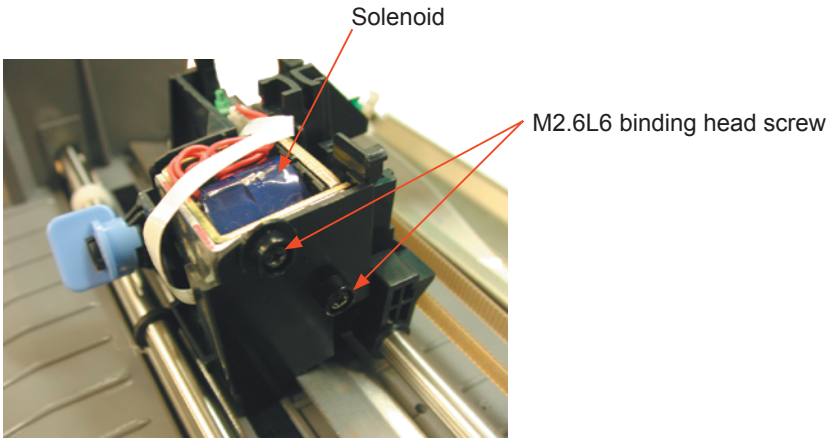
(5) Detach the Y guide rail (see Section 3.6).

(6) Detach the carriage cover from the carriage.

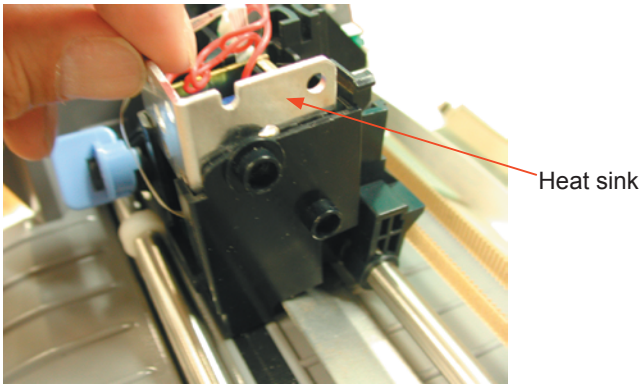
(7) Lift up the top section of the carriage cover, and then detach the carriage cover from the carriage.



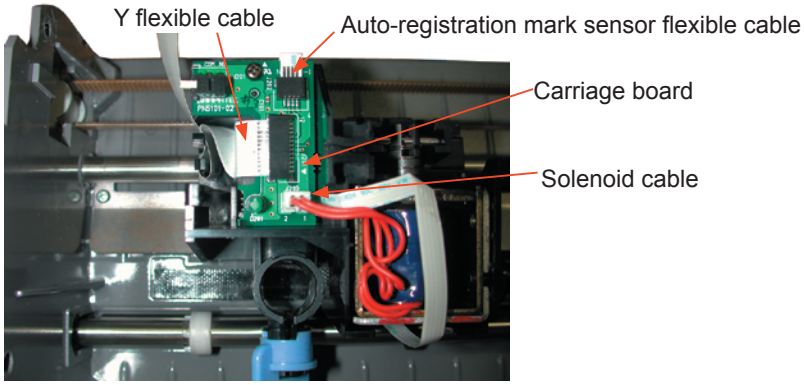
(8) Remove the two M2.6L6 binding head screws holding the solenoid and the heat sink.



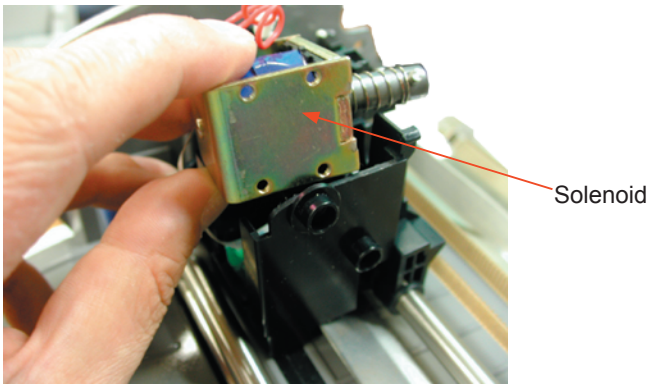
(9) Detach the heat sink from the carriage.



(10) Disconnect the solenoid cable from the carriage board.



(11) Detach the solenoid from the carriage.



Reassembly

(1) To attach the solenoid, perform the above “Disassembly” procedure in reverse.

(2) Perform the electrical adjustments described in Chapter 5 after you have replaced the solenoid.

3.15 How to Replace the Auto-Registration Mark Sensor Board

Disassembly

(1) Detach the bottom cover (see Section 3.1).

(2) Detach the left side cover (see Section 3.2).

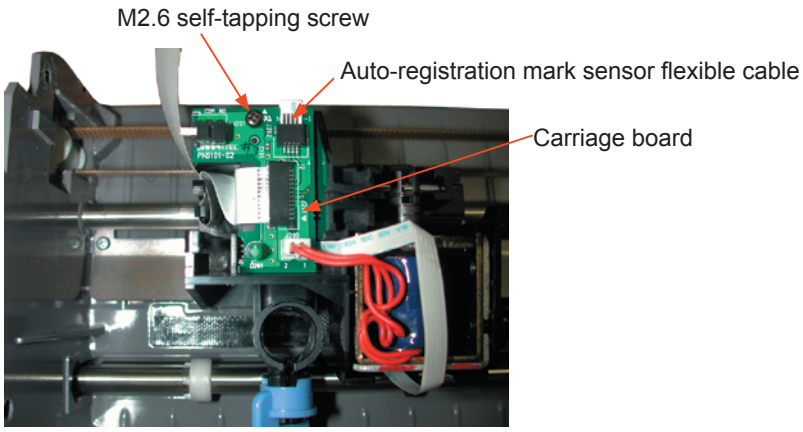
(3) Detach the top cover (see Section 3.3).

(4) Detach the right side cover (see Section 3.4).

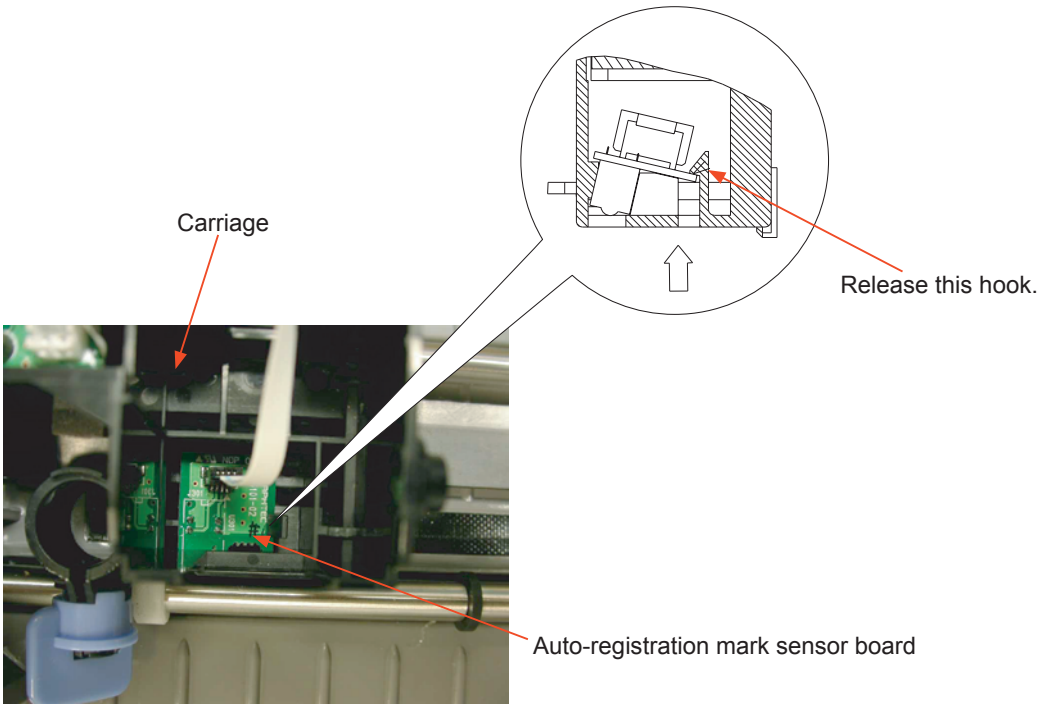
(5) Detach the Y guide rail (see Section 3.6).

(6) Detach the solenoid (see Section 3.14).

(7) Remove the M2.6 self-tapping screw holding the carriage board, and then disconnect the auto-registration mark sensor flexible cable from the carriage board.



(8) Release the hook holding the auto-registration mark sensor board, and then detach the auto-registration mark sensor board from the carriage.



Reassembly

(1) To attach the auto-registration mark sensor board, perform the above “Disassembly” procedure in reverse.

(2) Perform the electrical adjustments described in Chapter 5 after you have replaced the auto-registration mark sensor board.

3.16 How to Replace the Carriage Unit

Disassembly

(1) Detach the bottom cover (see Section 3.1).

(2) Detach the left side cover (see Section 3.2).

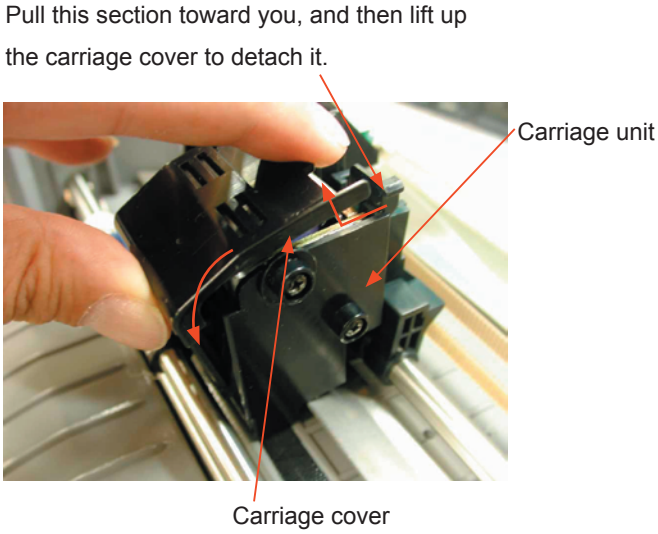
(3) Detach the top cover (see Section 3.3).

(4) Detach the right side cover (see Section 3.4).

(5) Detach the Y guide rail (see Section 3.6).

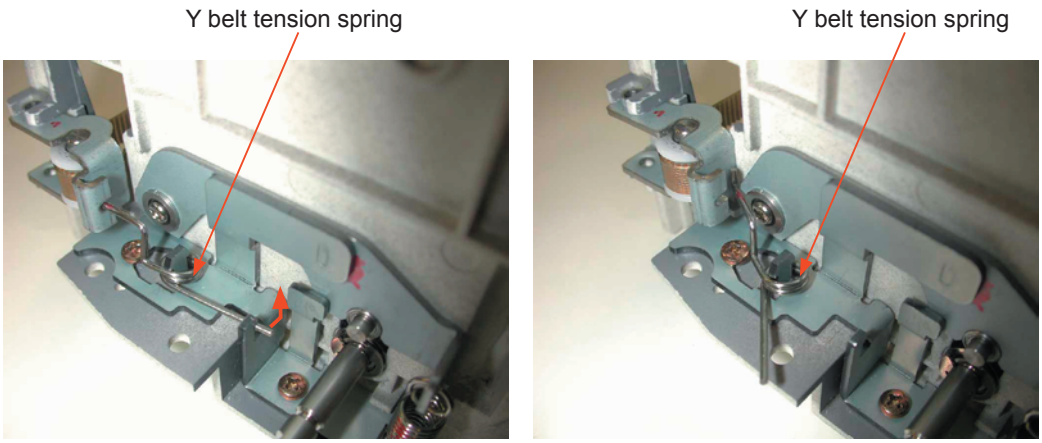
(6) Detach the carriage cover from the carriage.

(7) Lift up the top section of the carriage cover, and then detach the carriage cover from the carriage.

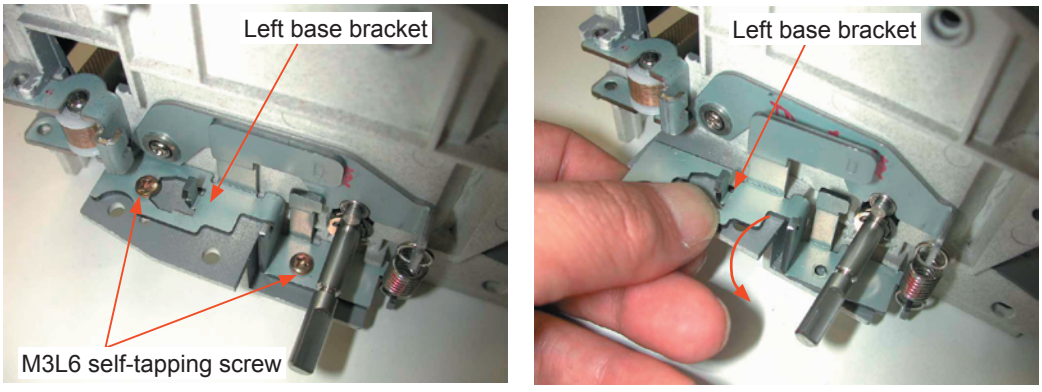


(8) Disconnect the Y flexible cable from the carriage board.

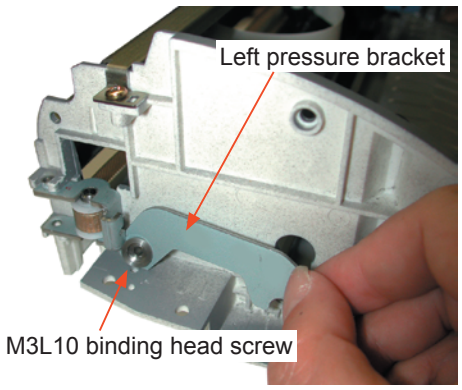
(9) Detach the Y belt tension spring from the left base bracket.



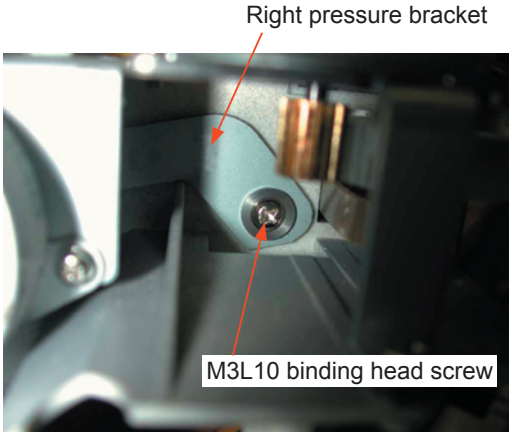
(10) Remove the two M3L6 self-tapping screws holding the left base bracket, and then detach the left base bracket.



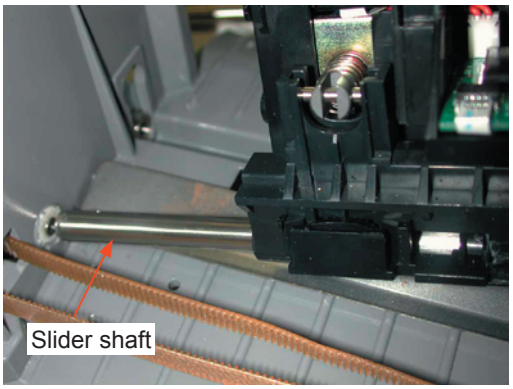
(11) Remove the M3L10 binding head screw holding the left pressure bracket and shaft spacer.



(12) Remove the M3L10 binding head screw holding the right pressure bracket and shaft spacer.



(13) Lift up the slider shaft from the left side, and then detach the slider shaft from the main unit.



(14) Detach the carriage from the slider shaft.

Reassembly

(1) To attach the carriage unit, perform the above “Disassembly” procedure in reverse.

4 ELECTRICAL ADJUSTMENTS

4.1 Using the Adjustment Software

This adjustment software is used for the pen force adjustment, the auto-registration mark sensor adjustment and the distance adjustment.

To adjust the CC200-20 you need to have the following files. In addition, you need to use a computer and a USB cable.

There are two kinds of adjustment software, one for the A4 paper size model and one for the letter paper size model (US model).

- A4SetEnglishV1.57.exe : CC200-20 A4 paper size model adjustment software file
  (This adjustment software adjusts the CC200-20 to A4-size model specifications.)
- LetterSetEnglishV1.57.exe : CC200-20 letter paper size model adjustment software file (USA model)
  (This adjustment software adjusts the CC200-20 to letter-size model specifications.)
- GITKUSBP.dll : CC200-20 software dll file

How to use the adjustment software

(1) Copy one of the above adjustment software files and the dll file to the same directory in the PC.

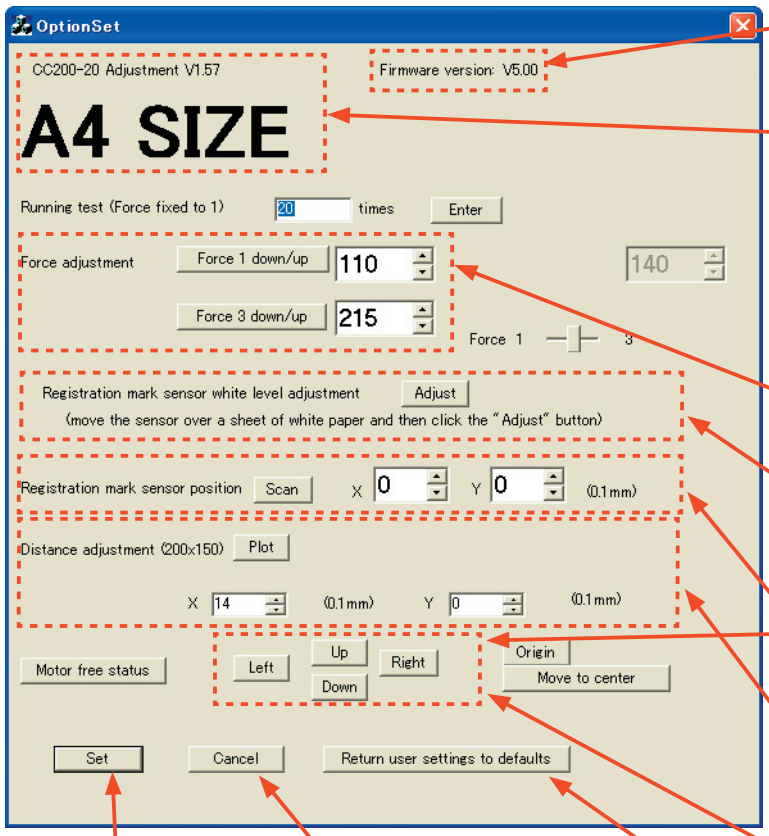
(2) Connect the computer and the CC200-20 via the USB interface.

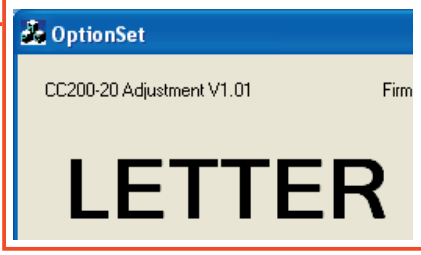
(3) Connect the power cable to turn on the power.

(4) Turn on the standby switch of the CC200-20.

(5) Execute A4SetEnglish.exe or LetterSetEnglish.exe.

(6) The following menu is displayed.





Displays the firmware version.

Displays the adjustment software type.

Used for the pen force adjustment.

Used for the auto-registration mark sensor white level adjustment.

Used for the auto-registration mark sensor position adjustment.

Used for the distance adjustment.

How to use the Move buttons: Click a button to start movement, and click again to stop.

Return to the factory presets.

Close this software and store the settings to the Nov-RAM.

Close this software. (This does not store the settings.)

Note 1: Do not turn off the standby switch while adjusting the CC200-20. If you do so, the CC200-20 will not receive any commands from the adjustment software. If you turn off the standby switch while adjusting the CC200-20, perform the following procedure.

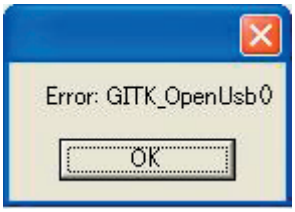
(1) Click the Cancel button to exit the adjustment software.

(2) Connect the power cable to the CC200-20.

(3) Turn on the standby switch of the CC200-20.

(4) Execute the adjustment software again.

Note 2: The adjustment software software will not start if the standby switch is off or the power is off. The adjustment software displays the menu shown below at this time.



4.2 Adjusting the Pen Force

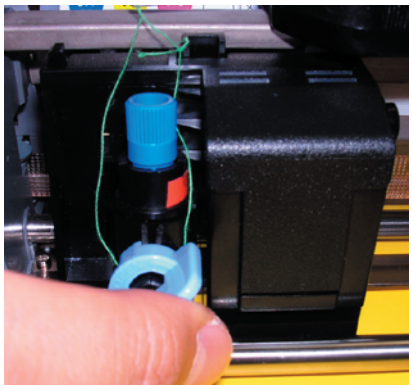
This adjustment will set the pen force using the adjustment software.

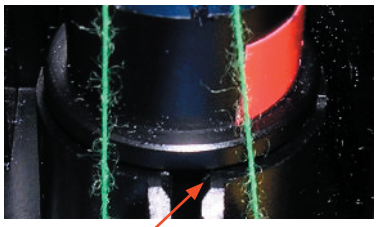
If you replace the main board, use the following procedure to input the recorded adjustment values.

If you replace the solenoid and/or the pen block assembly, you must adjust the pen force using the following procedure.

How to adjust the pen force

(1) Mount a 0.9 mm diameter blade holder (PHP32-CB09N without the blade) in the clamp bracket.





There is a few gap when the blade holder is installed completely.
Be careful it's a little hard to install.

(2) Connect the computer and the CC200-20 via the USB interface.

(3) Connect the power cable to turn on the power.

(4) Turn on the standby switch of the CC200-20.

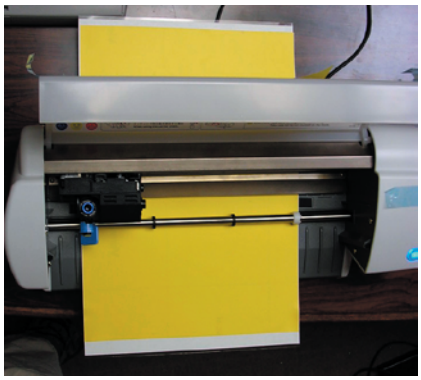
(5) Put the cutting sheet on the carrier sheet.

Cutting sheet (Cutting media)

Carrier sheet

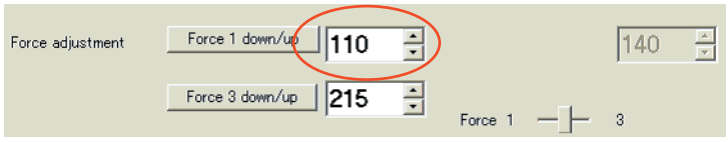
(6) Load the carrier sheet to the CC200-20.

Move the carrier sheet to be center position using the feed knob.



(7) Execute the adjustment software.

(8) Set the value of Force 1 to the 110 using the UP or DOWN button.



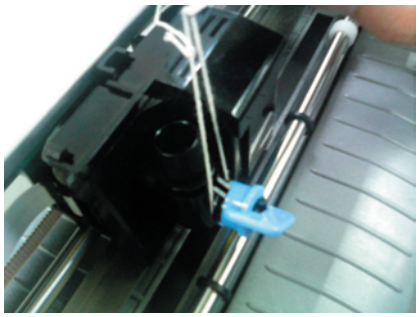
The Force 1 is fixed value. Just set to the 110.

(9) Click the Force 1 down/up button to apply the input value.

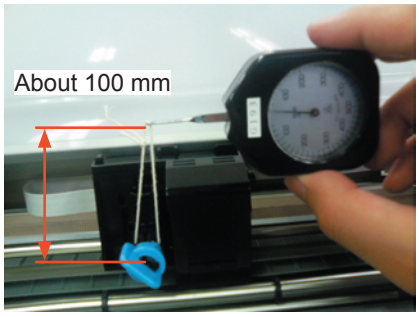
(10) Click the Force 1 down/up button again to raise the blade holder.

(11) Click the Force 3 down/up button to lower the blade holder.

(12) Use the 300 g force gauge to measure the actual force.



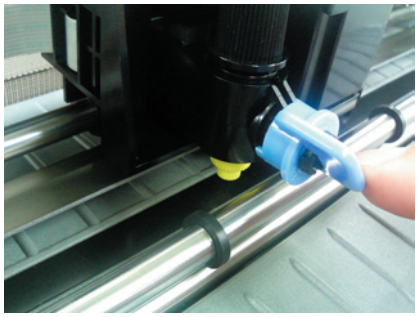
Hang the string to inside of the lock lever.



Measure the force at about 100 mm height.

To get the correct force, gently lift the blade holder up by hand, lower the blade holder, and then measure the actual force after you click the Force button.

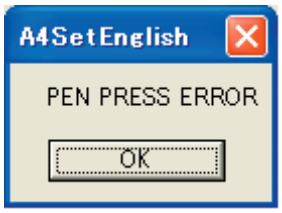
Do not lower the blade holder more than 5 sec for one times, otherwise the force will be reduced.



(13) If the measured value is not within the specification range (170 g to 190 g), change the value at the right side of the Force 3 down/up button so that it is 170 g to 190 g for the actual force.

(14) Click the Force 3 down/up button again to apply the input value.

If you input a value that is too large, the following message is displayed.



(15) Use the 300 g force gauge to measure the changed force to confirm it.

(16) Click the Force 3 down/up button again to raise the blade holder.

(17) Click the Set button to close the adjustment software and store all the settings to the Nov-RAM.

4.3 Adjusting the Auto-Registration Mark Sensor White Level

How to adjust the auto-registration mark sensor white level

(1) Connect the computer and the CC200-20 via the USB interface.

(2) Connect the power cable to turn on the power.

(3) Load an A4 (Letter) size sheet of paper in the CC200-20. The paper color must be white, and it is recommended that high-quality paper made for ink-jet printers be used.

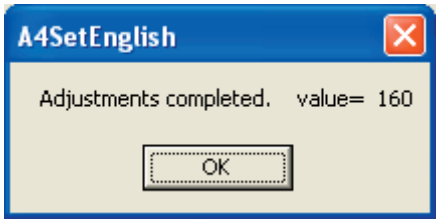
(4) Turn on the standby switch of the CC200-20.

(5) Execute the adjustment software.

(6) Use the Pen Position buttons to move the auto-registration mark sensor position to a white area on the paper. Make sure that there are no dirty areas or any printed areas directly under the sensor.

(7) Click the Adjust button to adjust the white level of the sensor.

(8) The following menu will appear when the white level adjustment is complete.



(9) Confirm the value shown in the above menu.
If the value is 0 or 255 there is a problem with the sensor or the circuit.

(10) Click the OK button to close the white level adjustment display.

(11) Click the Set button to close the adjustment software and store all the settings to the Nov-RAM.

4.4 Adjusting the Offset of the Auto-Registration Mark Sensor

How to adjust the Offset of the Auto-Registration Mark Sensor

(1) Connect the computer and the CC200-20 via the USB interface.

(2) Connect the power cable to turn on the power.

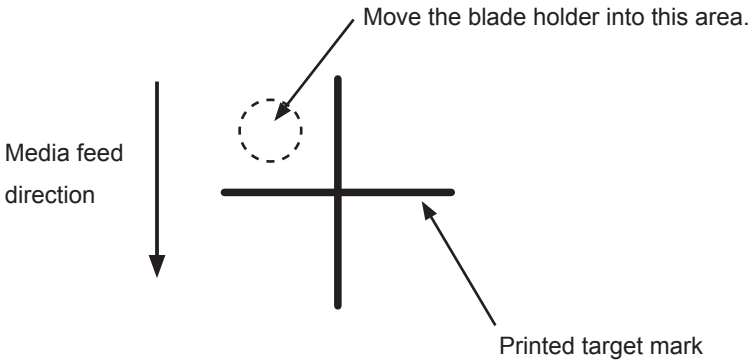
(3) Load an A4 (Letter) size sheet of paper with a backing sheet in the CC200-20. The paper must have a printed target cross mark.The cross mark specifications are 30 mm line length, and 0.3 to 0.5 mm line width.

(4) Mount the blade holder with the cutter blade and the yellow blade adjustment cap in the clamp bracket.

(5) Turn on the standby switch of the CC200-20.

(6) Execute the adjustment software.

(7) Use the Pen Position buttons to move the blade holder to the printed cross mark area.



(8) Click the Scan button to scan the printed cross mark. The CC200-20 then cuts a cross mark based on the reading of the printed cross mark.

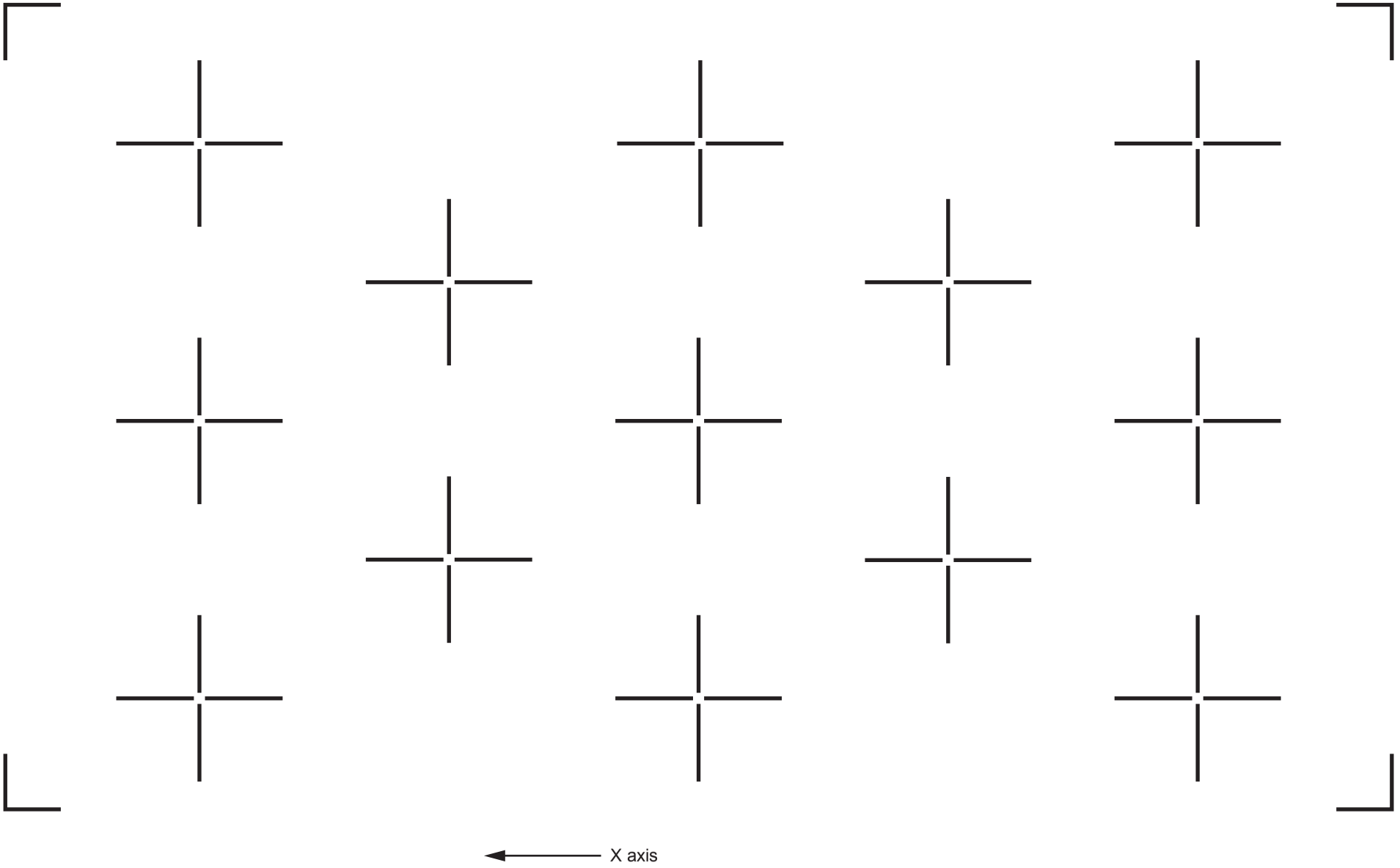
(9) Confirm the offset between the printed cross mark and the cut cross mark.
You do not need to make any adjustments if the cut lines are on top of the printed cross mark.

(10) Input the offset value(s) if the cut lines are not on top of the printed cross mark.

(11) Click the Set button to close the adjustment software and store all the settings to the Nov-RAM.

AUTO REGISTRATION MARK TARGET

The cross mark specifications are 30 mm line length, and 0.3 to 0.5 mm line width.



4.5 Adjusting the Distance Accuracy

How to adjust the Distance Accuracy

(1) Connect the computer and the CC200-20 via the USB interface.

(2) Connect the power cable to turn on the power.

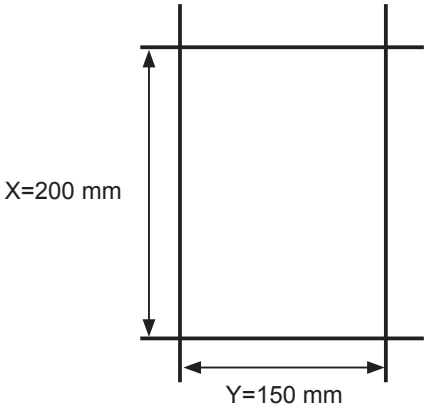
(3) Load an A4 (Letter) size sheet of paper with a backing sheet in the CC200-20.

(4) Mount the blade holder with the cutter blade and the yellow blade adjustment cap in the clamp bracket.

(5) Turn on the standby switch of the CC200-20.

(6) Execute the adjustment software.

(7) Click the Plot button to cut the test pattern.



(8) Measure the X-axis and Y-axis distances.

(9) Input the values to the input boxes shown below.

The formula of the input value is as follows:

Input value for X-axis = (200mm - measured distance) x 10

For example:

If you measured 200.2 mm for the X-axis, then input -2 for the adjustment value.

(10) Click the Set button to close the adjustment software and store all the settings to the Nov-RAM.

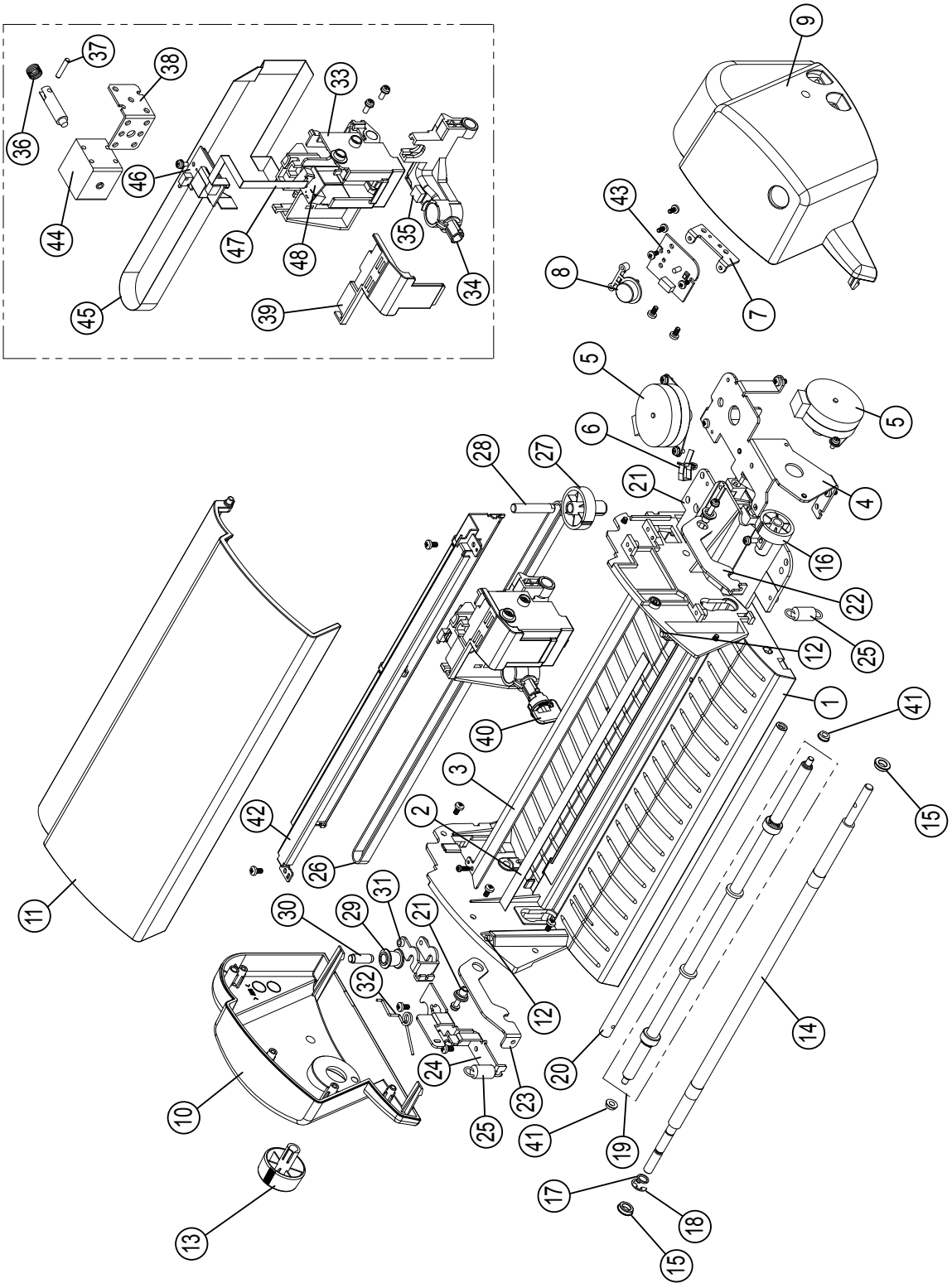
5 PARTS LISTS

5.1 Main Unit Parts

No.	Part No.	Description	Q'ty	Remarks
1	621340003	Main Chassis	1	
2	621340101	Cutting Mat	1	
3	621340021	Guide Plate	1	
4	621340031	Motor Bracket	1	
5	792028704	Motor Assembly	2	682124110+621340121
6	621340130	Mini Clamp	1	
7	621341040	Standby Switch Board Bracket	1	
8	621341031	Standby Switch Top	1	
9	621341002	Right Cover	1	
	621343000	Right Cover XY		for OEM model
10	621341012	Left Cover	1	
	621343010	Left Cover XY		for OEM model
11	621341020	Top Cover	1	
	621342001	Top Cover QK		for OEM model
	621343020	Top Cover XY		for OEM model
12	621341052	Cover Rubber Cushion	2	
13	621340231	Feed Knob	1	
	621343030	Feed Knob XY		for OEM model
14	621340200	Feed Roller, A4-size model	1	
	621340290	Feed Roller, Letter-size model		
15	621340300	Bearing, RFS	2	
16	621340210	X Drive Gear	1	
17	621340310	Collar	1	
18		E-ring D5	1	
19	621340381	Pressure Roller Assembly, A4-size model	1	
	621340391	Pressure Roller Assembly, Letter-size model		
20	621340621	Slider Shaft	1	
21	621340461	Spacing Collar	2	
22	621340520	Right Pressure Bracket	1	
23	621340530	Left Pressure Bracket	1	
24	621340051	Left Base Bracket	1	
25	621340630	Pressure Spring 30	2	
26	621340640	Y Belt 460TN15-7.0W	1	
27	621340651	Y Drive Gear	1	
28	621340471	Y Drive Gear Shaft	1	
29	621340480	Idler Pulley	1	
30	621340490	Idler Pulley Shaft	1	
31	621340501	Y Belt Tension Bracket	1	
32	621340510	Y Belt Tension Spring	1	
33	621340403	Carriage	1	
34	621340411	Clamp Bracket	1	
35	621340420	Cushion, Clamp Bracket	1	
36	621340600	Spring, Solenoid	1	
37	621340450	Shaft, Link	1	
38	621340430	Heat Sink	1	
39	621340442	Carriage Cover	1	
40	621340612	Lock Knob	1	
41	62134033X	Bearing PSB	2	
42	621340012	Y Guide Rail	1	
43	792028703	Standby Switch Board	1	
44	682124570	Solenoid, SDC-0829(8C-94)	1	
45	692134100	Y Flexible Cable, FPC510101	1	
46	792028701	Carriage Board	1	

No.	Part No.	Description	Q'ty	Remarks
47	692134110	Auto-Registration Mark Sensor Flexible Cable	1	FPC510102
48	792028702	Auto-Registration Mark Sensor Board	1	
49	692134000	CA510101, Standby Switch Cable	1	Main Board to Standby Switch Board
50	621341942	Caution Label	1	
	621343140	Caution Label XY		for OEM model
51	621341933	Rating Label	1	
	621342101	Rating Label QK	1	for OEM model
	621343120	Rating Label XY		for OEM model

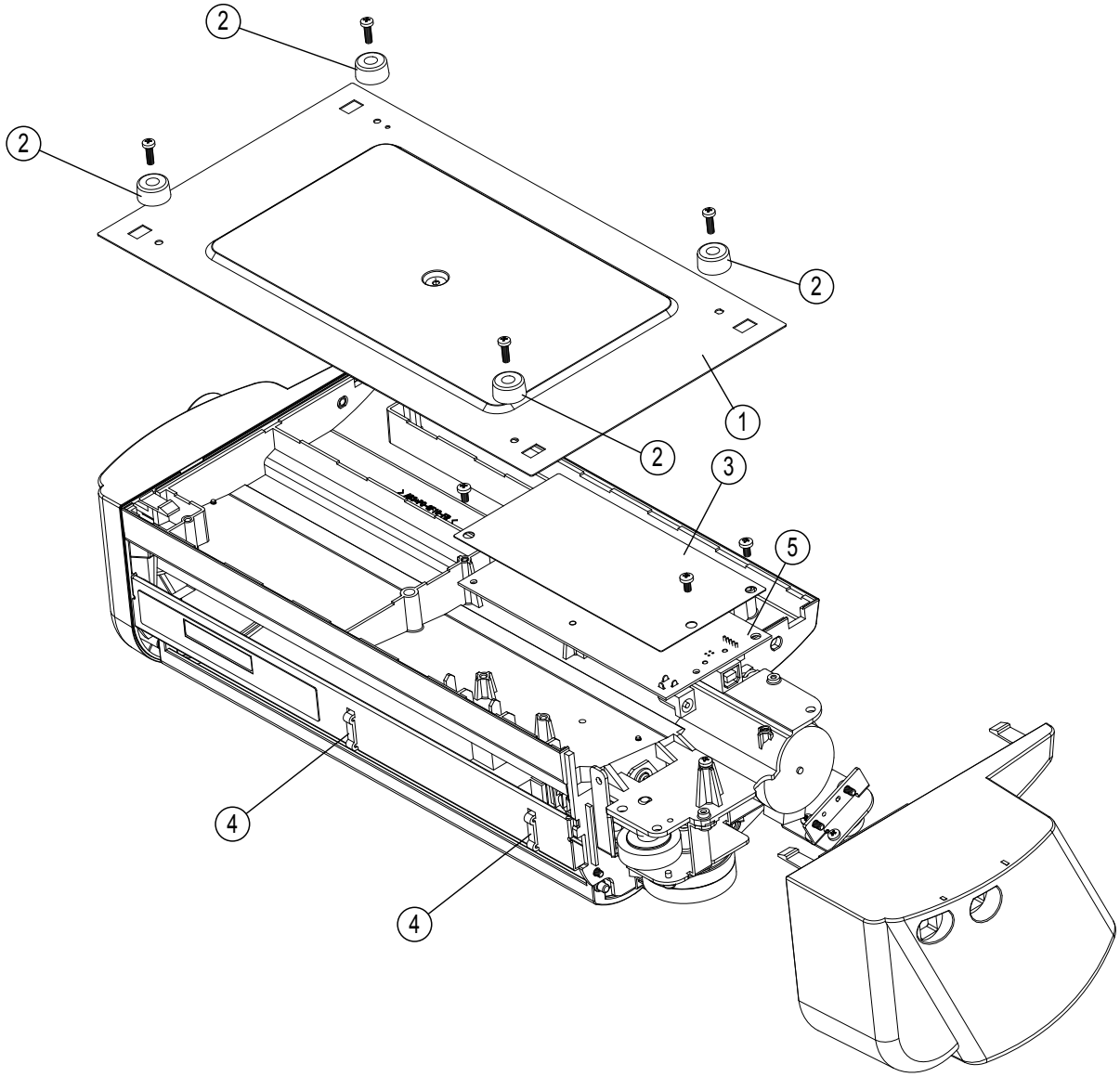
Main Unit Parts



5.2 Bottom Parts

No.	Part No.	Description	Q'ty	Remarks
1	621340040	Bottom Cover	1	
2	304511000	Rubber Foot	4	
3	621340072	Insulation Sheet	1	
4	621340661	Flexible Cable Clamp	2	
5	792028700	Main Board	1	

Bottom parts



5.3 Other

No.	Part No.	Description	Q'ty	Remarks
1	772134960	Packing Box	1	
	772134720	Packing Box QK		for OEM model
	772124780	Packing Box XY		for OEM model
2	621341630	Accessory Box	1	
3	682124531	AC adapter YR-1048GRC1208P	1	UL,117V
	682124521	AC adapter YR-1048GRC1175P		CEE, 220V
	682124551	AC adapter YR-1048GRC1247P		BS, 240V
	682124541	AC adapter YR-1048GRC1209P		Japanese,100V
4	621341701	User Guide CD, CC200-CDM02M	1	
	621343300	User Guide CD, CC200-CD-XY01		for OEM model
	621342300	User Guide CD, CC200-CD-QK01		for OEM model
5	621341730	Quick Start Instructions (E)	1	English
	621341760	Quick Start Instructions (UL)		US, Letter-size model
	621341710	Quick Start Instructions (J)		Japanese
	621343310	Quick Start-XY		for OEM model
6	621341740	Quick Application Guide (E)	1	English
	621341750	Quick Application Guide (UL)		US, Letter-size model
	621341720	Quick Application Guide (J)		Japanese
	621343320	Quick Appli-XY		for OEM model
7	691330560	USB Cable	1	CBL0106ACL2-1.5M
8	772134950	Blade Holder Set	1	
9	772134980	Ballpoint Pen Holder	1	
10	621341401	Carrier Sheet A4 Size	1	
	621341431	Carrier Sheet Letter Size		
11	621342330	Instruction Manual QK	1	for OEM model

6 BLOCK DIAGRAM